



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 30, 2016

Micro-Scientific, LLC  
c/o Megan Priest  
Regulatory Consultant  
Technology Sciences Group, Inc.  
1150 18<sup>th</sup> Street NW, Suite 1000  
Washington, DC 20036

Subject: Notification per PRN 98-10 – Correct asterisks and clarify surface claims  
Product Name: Opti-Cide 3  
EPA Registration Number: 70144-1  
Application Date: February 17, 2016  
Decision Number: 514048

Dear Ms. Priest:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you have any questions, you may contact me at (703) 308-8735 or via email at [chao.julie@epa.gov](mailto:chao.julie@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Julie Chao", is positioned above the typed name.

Julie Chao, Product Manager 33  
Regulatory Management Branch 1  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

## Opti-Cide® 3

{Alternate name: [Opti-Cide®]} {Alternate name: [Opti-Cide® 1]} {Alternate name: [Opti-Cide® 2]}

{Insert marketing statements, as appropriate, from *Marketing Copy* and/or *Directions for Use*}

### Active Ingredients:

n-Alkyl (60% C <sub>14</sub> , 30% C <sub>16</sub> , 5% C <sub>12</sub> , 5% C <sub>18</sub> ) dimethyl benzyl ammonium chloride .....	0.154%
n-Alkyl (68% C <sub>12</sub> , 32% C <sub>14</sub> ) dimethyl ethyl benzyl ammonium chloride .....	0.154%
Isopropanol .....	21.000%
<b>Other Ingredients</b> .....	<b>78.692%</b>
<b>Total</b> .....	<b>100.000%</b>

Keep Out of Reach of Children

### CAUTION

See back [side] panel for First Aid and additional Precautionary Statements.

EPA Reg. No. 70144-1 EPA Est. 1130-IL-1

Net Contents: \_\_\_\_ US Gallons [fl. oz.] (\_\_\_\_ ml)  
{2 ounces through 275 gallons}



### NOTIFICATION

70144-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

3/30/2016

### {Marketing Copy}

Antibacterial

Antimicrobial

Bactericidal

Broad Spectrum

Cleaner [Cleans]

Disinfectant [Disinfects] ~~[Soft]~~ [Hard, Non-Porous] Surfaces in [2] [3] [5] {as appropriate} minutes

Decontaminant

Decontaminates

Germicidal

[Hard, Non-Porous Surface] Sanitizer\*\*, Sanitizer\*\*\*, Disinfectant and Cleaner {Insert *Use Sites or descriptors*}

Effective

For use on {insert Use Sites or descriptors}

Fragrance free

Fungicidal

Instrument(s) [Devices]

Healthcare [Hospital]

Hospital Uses

Housekeeping and [In-Home Use]

[Pre-Cleaning] Instrument [Device] Soak

Kills Bacteria - Viruses\* [†] [††] - Fungi - Tuberculosis (TB) on hard, non-porous inanimate surfaces such as {insert Descriptors}

Kills Bacteria, Viruses\* [†] [††], Fungi, *Mycobacterium-tuberculosis* {(var. bovis)} [in 2] [3] [5] minutes {as directed}

Kills Bacteria in 10 Seconds\*\*  
Kills Bacteria on Food Contact Surfaces in 1 Minute\*\*\*  
1-Minute Food Contact Surface Sanitizer\*\*\*  
Kills [99.9% of Bacteria] {or} [Germs]  
2-Minute [Inanimate] ~~[Non-porous]~~ [Hard, Non-Porous] Surface Disinfectant [disinfection time]  
10--Second [Soft] [/] [Hard, Non-Porous] Surface Sanitizer\*\*  
Kills [Hydrophilic Viruses<sup>[†]</sup>], [Lipophilic Viruses<sup>[†]</sup>], [Enveloped Viruses<sup>[†]</sup>], [Non-enveloped Viruses<sup>[††]</sup>]  
Kills {taken from list of approved organisms}  
Kills Flu Viruses<sup>[†]</sup>  
[Hospital] [Medical] [Surgical] [Dental] [Veterinary] [Animal Care] [Home Health Care] [Long Term Care] [EMS] {or other use-sites as described}  
Multi-purpose  
For Use on Hard, Non-porous Surfaces  
For Sanitization\*\* Use on Soft Surfaces  
For Use on [Non-food contact surfaces\*\*] [Hard, Non-Porous Food-contact surfaces\*\*\*]  
Floor Cleaner  
Floor Sanitizer\*\*  
Floor Disinfectant  
~~Shoe [Spray] [Cleaner] [Sanitizer\*\*] [Disinfectant]~~  
Ultrasonic Cleaner Concentrate  
Same product [will] {insert descriptors}  
Clean  
Cleaner  
Cleans on contact  
Use to clean away particular matter including soil, spores and other organic debris  
[Pre-clean(s)] [decontaminate(s)] scope surfaces prior to terminal reprocessing  
Decontaminate(s)  
Decontaminant  
Sanitize\*\*  
Sanitize\*\*\*  
~~[Hard] [Soft Surface] [Sanitizer\*\*] [Sanitizer\*\*\*] [Disinfectant] Cleaner~~  
[Hard, Non-Porous Surface [Sanitizer\*\*] [Sanitizer\*\*\*] [Disinfectant] Cleaner  
Disinfect  
Now  
Barber  
Salon  
Foot Spa  
SpaClipper Blade [Sanitizer\*\* (Not For Use in California)] [Disinfectant]  
Deodorizer [Deodorizes] [Deodorize]  
[Help(s)] [eliminate(s)] [smells] [odors]  
Improved Uses  
Inanimate Non-Porous Hard, Non-Porous ~~/Soft~~ Surface [Disinfectant] [Sanitizer\*\*] [Sanitizer\*\*\*] Cleaner  
No mixing  
Microfiber [approved] [compatible]  
No confusion  
One product [to] [for] [will] {taken from descriptors}  
Kills 99.9% of *Staphylococcus aureus* and *Enterobacter aerogenes* in 10 Seconds\*\*  
Kills 99.9% of *Staphylococcus aureus* and *Escherichia coli* in 1 Minute\*\*\*  
Kills MRSA  
Kills H1N1 Influenza A Virus<sup>[†]</sup> [(formerly called "swine flu")]  
[Medical] [/] [Surgical] [/] [Dental] [/] [Hospital] {or other descriptor} Surface and Equipment Disinfectant Cleaner

Ready-to-Use

RTU

Salon Disinfectant

Salon Sanitizer\*\*

Suitable for use on non-food contact surfaces [when used as directed]

Suitable for use on food contact surfaces [when used as directed]

Sanitizer\*\* [Sanitizes\*\*] [Hard, Non-Porous Surfaces] [Soft Surfaces] [in 10 seconds]

Sanitizer\*\*\* [Sanitizes\*\*\*] [Hard, Non-Porous Surfaces] [in 1 minute]

~~Sanitizer\*\* [Disinfectant] Cleaner~~

~~Sanitizer\*\*\* [Disinfectant] Cleaner~~

Scope pre-cleaning [pre-cleaner] [and] [decontaminant] [disinfectant]

Spot Cleaner

Spot Cleaning of {insert descriptors}

Hard, Non-Porous Surface {insert descriptors} [Disinfectant] [Sanitizer\*\*] [Sanitizer\*\*\*] [and Cleaner]

This product is [particularly] effective [in] [at]: {insert Use or Sites):

Tuberculocidal

Virucidal\* [Virucide\*]

Kills [Enveloped\*] [Non-Enveloped\*] Viruses\*

Contains No Perfumes

Refillable container [bottle]

One Product {insert appropriate descriptor}

One step germicidal action [on pre-cleaned surfaces]

One step disinfectant action [on pre-cleaned surfaces]

One step sanitizing [on pre-cleaned surfaces]

Contains no [artificial] coloring dyes

Will not stain [vinyl] [surfaces]

[Same] [one] product [to] [for] {add descriptors} [clean[s]], [and] [sanitize[s]\*\*] [sanitize[s]\*\*\*], [and] [disinfect[s]] Hard,

Non-Porous Surfaces

With [Contains] Rust Inhibitor

Aids in the reduction of cross-contamination on treated surfaces.

This product {product name} [will] [is] [particularly effective] for [cleaning], [sanitizing\*\*] [sanitizing\*\*\*], [and]

[disinfecting] {insert ~~descriptors~~ Descriptors that are not soft surfaces}

When used as directed this product [{product name}] effectively [cleans], [sanitizes\*\*][sanitizes\*\*\*] [and] [disinfects]

[hard, non-porous], ~~[soft]~~ [environmental], inanimate surfaces such as {insert Descriptors that are not soft surfaces}

*{Use Sites:}*

This product is [particularly] effective in {at}: {insert *Use Sites*): Acute care facilities, air transport facilities, airports, airplane interiors, amusement parks, ambulatory care centers, ambulatory care facilities, anesthesia areas, animal/pet care facilities, animal control facilities, animal control vehicles, animal breeding facilities, animal detention facilities, animal hospitals, animal laboratories, animal research facilities, animal rescue shelters, animal shelters, animal show facilities, animal trailers, apartments, arboretums, arcades, athletic training facilities, athletic locker rooms, ATM surfaces, automatic teller machine (ATM) facilities [surfaces], auto facilities, autopsy rooms, avian care facilities, avian facilities, avian units, bakeries, banks, barber shops, bathroom facilities, bathrooms, bedrooms, blood banks, banquet hall facilities, bioskill laboratories, blood drawing centers, blood units, blood pheresis facilities, body piercing salons, body service facilities, body storage facilities, botanical gardens, bowling alleys, bus facilities, bus stations, cab facilities, cadaver processing areas, canine facilities, canine units, cardiac catheterization labs, cardiac catheterization laboratories, cash dispensing machines, casinos, Cat-scan laboratories [labs], Cat-scan [labs] laboratories, central instrument reprocessing facilities, child care facilities, clean rooms, clinical areas, colleges, condominiums, convention facilities, conference centers, conference room fixtures, correctional facilities, CS labs, CS laboratories, CT labs, CT laboratories, currency exchanges, day care centers, day care schools, day spas, delivery units, dental care facilities, hand-pieces, dental laboratories, dental offices, detention facilities, dialysis centers, dialysis units, dissection labs, dissection work tables, diving suits, diving equipment, diving snorkels, diving masks,

doggy day care centers, drug preparation facilities, drug preparation rooms, early learning centers, electrolysis facilities, emergency medical service (EMS) units, emergency rooms, endoscopy centers, endoscopy facilities, endoscopy departments, entertainment facilities, environmental services facilities, equine facilities, equine units, esthetician facilities, eye care facilities, exam rooms, examination rooms, feline facilities, feline units, fire departments, fire/rescue departments, florists, food processing facilities, foot spas, foreign currency exchange facilities, foreign currency exchanges, forestry services, funeral homes, gaming facilities, garden centers, general public facilities, GI labs, GI laboratories, golf courses, grocery stores, grammar schools, grooming facilities, grounds keeping services, gymnasiums, gyms, habitats, hair salons, health clubs, health care facilities, ambulance helicopter interiors, high schools, holding cells, home care patient rooms, home health care facilities, homes, hospice rooms, hospitality facilities, hospitals, hotels, household bathrooms, housekeeping rooms, hydrotherapy facilities, hydrotherapy rooms, infant care facilities, instrument reprocessing areas, intensive care units (ICUs), isolation rooms, jails, kiosks, kindergartens, kitchens, labor units, laboratories, landscaping services, lasik eye centers, lawn services, learning institutions, limousine facilities, living rooms, lockup facilities, lockups, long-term care facilities, lunchrooms, medical facilities, medical offices, medivans, MICUs, middle schools, money handling facilities, morgues, mortuary facilities, mortuaries, motels, movie theaters, MRI facilities, MRI labs, MRI laboratories, nail salons, neonatal intensive care units (NICUs), newborn nurseries, nuclear medicine facilities, nurseries, nursery schools, nursing homes, occupational therapy centers, occupational therapy facilities, oncology areas, operating rooms, ophthalmology centers, ophthalmology facilities, ophthalmology units, optometric offices, oral health care facilities, orthodontic offices, outpatient care facilities, outpatient facilities, outpatient surgery centers, patient care rooms, pathology rooms, pediatric units, pedicure salons, personal care service facilities, pet homes, pet motels, pet spas, pet stores, pharmacies, physical therapy centers, physical therapy facilities, plasma pheresis centers, plasma pheresis facilities, pheresis units, post-op rooms, post-operative rooms, pre-op areas, pre-operation areas, pre-schools, primary care facilities, prisons, public facilities, public bathrooms, public transportation facilities, radiology rooms, reception areas, recovery rooms, recreation facilities, rehabilitation facilities, rescue departments, respiratory therapy facilities, reptile habitats, restaurants, restroom facilities, retail stores, rodent facilities, rodent units, schools, sleeping rooms, scope reprocessing rooms, shopping malls, sick room facilities, sick rooms, skilled nursing centers, skin care facilities, skin care salons, snack shops, spas, SPD labs, SPD laboratories, tanning salons, tattoo studios, taxi facilities, taxi cab facilities, theaters, toilet facilities, train facilities, train stations, transport vehicles, transportation waiting rooms, tree services, universities, urgent care centers, urgent care facilities, veterinary hospitals, waiting rooms, weight training facilities, X-ray rooms, x-ray equipment surfaces, zoos and other similar establishments.

*{Descriptors:}*

Use [this product] [{product name}] to clean, [disinfect] [sanitize\*\*] [sanitize\*\*\*] [soft *{NOTE: This option cannot be chosen if disinfection or food-contact sanitization claims are also chosen}*] [hard, non-porous] [non-food contact surfaces], [food contact surfaces\*\*\*], inanimate surfaces such as those made of acrylic, metals (aluminum, brass, copper, stainless steel, chrome), sealed granite, glass, plastics (polycarbonate, polypropylene, polystyrene and polyvinylchloride [(PVC)]), [clear plastics], hard, non-porous rubber, Plexiglas®, vinyl as well as coated, laminated and painted surfaces. May be used on items such as air evacuation transport units, air transport units, air vents surfaces, airplane fixtures, airplane interiors, adult toy surfaces\*\*\*, ambulance interior surfaces, ambulances, amusement machine surfaces, analgesia equipment surfaces, anesthesia machines, animal cages, animal habitats, apnea monitors, aquariums, armrests, athletic facility fixtures, athletic mats, athletic equipment, athletic protective equipment, athletic shoe interiors, ATM touch buttons, automatic teller machine (ATM) touch buttons, attendant seats, tables, backboards, balloon pumps, bank teller surfaces, bar tops, bassinets, bathing tubs, bathroom facilities, bathroom fixtures, bathroom surfaces, bathtubs, bedrails, bedroom toys\*\*\*, beds, bedside devices, bedside tables, bedside stands, biohazard team equipment, biological monitoring devices, bird cage surfaces, birthing room fixtures, mouth bits\*\*\*, blood bank equipment surfaces, blood drawing surfaces, blood pressure equipment, blood pressure units, bowls, breathing monitors, breast pump surfaces\*\*\*, bridles, brushes, cabinets, cages, call buttons, cadavers, cardiac monitors, carpet(s), cash register surfaces, cash registers, cat litter boxes, carts, central supply equipment, chainsaw blades, chairs, changing tables, chest pumps, classroom fixtures, clear plastics, clipper blade, clippers, cloth furniture [surfaces], coated mattresses, coated pillows, coin counter surfaces, coin dispensers, collars, colon equipment surfaces, combs, commodes, computer keyboards, computer screens, computer touch-screens, cots, counters, countertops, CPAP masks, CPAP units, CPR training devices, CPR training manikins, crash carts, cribs,

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CT equipment, curing lights, curtains, cuspidors, non-porous cutting boards\*\*\*, dental impressions\*\*\*, dental trays, dental chair surfaces, dental equipment surfaces, dialysis treatment equipment surfaces, diaper changing tables, diaper pails, dictating machines, diving equipment, diving masks, door handles, doorknobs, drinking fountain exteriors, drug preparation equipment, drug preparation hoods, dry suits, dumbbells, elevator buttons, elevator panels, emergency room stretchers, emergency medical technician units, emergency rescue squad vehicles, EMT units, embalming tables, empty whirlpool tanks\*\*\*, endoscope light source units, endoscope machine surfaces, endoscope machine tubing, endoscopes, endoscopes surfaces, environmental patient care fixtures, equipment counters, ER stretchers, ER equipment surfaces, escalator and moving walkway handrails, exam equipment exam lights, exam room lights, exam room surfaces, exam tables, examination equipment, examination lights, exam room lights, examination room surfaces, examination tables, eye wear, eye glasses, face shields, faucets, finger print counters, first call stretchers, fish nets\*\*\*, fish tank aerators\*\*\*, fish tank filters\*\*\*, fish tank gravel\*\*\*, fish tanks\*\*\*, fishing waders\*\*\*, fixtures, flea combs, floors, [sealed] [glazed] flower pots\*\*\*, food delivery carts, foot spa bowls, frequently touched surfaces, furniture, gaming machines, garbage cans, garbage compactors, garden equipment, garden storage bins, garden tools, gastroenterology equipment devices, gastroenterology equipment fixtures, glucometers, glucose meters, goggles, gonial lenses, grass mower blades, grooming facility surfaces, grooming tables, gym mats, hair care stations' fixtures, hair brushes, hair clippers, hair combs, hair driers, handcuffs, handrails, harnesses, hazmat team equipment, hearse interiors, helicopters, high chairs, high-touch areas, home care equipment surfaces, horse trailers, hospice rooms, household fixtures, empty Hubbard tanks\*\*\*, empty hydrotherapy units, hygiene treatment surfaces, hyperbaric chamber surfaces, IC pumps, immobilization devices, implements, incubators, infant care equipment, infant care warmers, infant changing tables, infant incubators, infant seats, infant transport incubators, infant warmers, infant warming equipment, Isolettes®, instrument reprocessing equipment, instrument trays, interior tubing lumens, IV poles, IV stands, IV pump surfaces, infusion pump surfaces, kennels, kidney dialysis equipment surfaces, kick buckets, kitchen fixtures, kitty litter boxes, kitty litter scoops, lab benches, lab fixtures, laboratory benches, laboratory fixtures, labor and delivery room surfaces, laryngoscopes, leashes, ~~leather surfaces~~, light lens covers, light pull chains, light switches, lights, litter boxes, locker room benches, lockers, lockup facility fixtures, loupes, manicure implements, marine vessel interiors, masks, mats, mattress covers, mayo stands, medication carts, micro-derma abrasion equipment, microkeratome surfaces, microscopes, monitors, mouthguards\*\*\*, MRI equipment surfaces, nail implements, nail station fixtures, nail station tables, non-critical devices, noncritical operating room lights, operating room surfaces, operating room tables, OR lights, OR surfaces, OR tables, non-food/feed contact surfaces, non-food/feed preparation surfaces, food/feed contact surfaces, food/feed preparation surfaces, non-porous hazmat suits, non-porous plastic-covered menus, hazmat suits, [laminated] [plastic]-covered menus, nursing station fixtures, OB/Gyne surfaces, OB/Gynecology department surfaces, occupational therapy surfaces, operating room lights, optical wear (excluding contact lenses), organ scales, oxygen hoods, oxygen units, paramedic units, patient care fixtures, patient beds, patient bedrails, patient chairs, patient lifts, patient curtains, patient bed mattresses, patient restraints, patient transport carts, patient transport vehicles, pedicure chairs, pedicure chair tubs, pedicure implements, PEEP units, pet carrier surfaces, pet care surfaces, pharmacy counters, pharmacy surfaces, phototherapy lights, physician office surfaces, physical therapy equipment surfaces, plush toys, play toys\*\*\*, pre-wash laundry spray, pre-wash uniform spray, pre-wash turnout gear spray, pruning shears, plastic mattress covers, play-care equipment, play mats, Plexiglas® hoods, poker machine surfaces, pooper scoopers, prisoner benches, protective eye wear, pulse oximeters surfaces, pumps, rails, razors, reception area fixtures, recreational devices, refrigeration units, remains bags, remote controls, reptile habitats, , rescue dive team equipment, rescue squad equipment, respirator ventilators, respirators, respiratory therapy equipment, restraints, resuscitators, salon fixtures, scales, scissors, school fixtures, school lockers, scoop stretchers, scuba equipment, seats, self-contained breathing apparatus (SCUBA) equipment, sex toy surfaces\*\*\*, shampoo bowls, shears, shower doors, shower surfaces, showers, shower stalls, sinks, skin care equipment surfaces, [SilkPeel™] dermal infusion equipment, sleeping mats, slit lamps, slot machines, slot machine handles, slot machine surfaces, soap containers, soap dishes, ~~shoes~~, ~~shoe interiors~~, ~~shoe inserts~~, SPD equipment, specimen refrigerator units, splinting devices, squad benches, stalls, stair-chairs, stethoscopes, stools, stretchers, stuffed toys, stuffed pillows, suction devices, suction machines, suction units, supply cabinets, surgical tables, tables, tabletops, surgical instruments, surgical devices, surgical implements, tanning beds, telemetry equipment, telephones, toilet facilities, toilets, toilet seats, toilet surfaces, toilet training equipment, training room surfaces, tonometer equipment surfaces, tonometer tip surfaces,

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tools, touch screens, toys\*\*\*, tooth brushes\*\*\*, trash can lids, trash cans, treatment hoods, transport vehicle interiors, [train], [airplane] [helicopter] [automobile] [bus] [taxi] [limo] [ambulance] [patient] [yachts] [cruise ship interior] transport vehicle surfaces, tree saws, tubing, tumbling mats and equipment, turf equipment, turf equipment blades, TV remote controls, unplugged hair driers, upholstered fixtures, van fixtures, van interiors, vehicle interiors, vending machine surfaces, ventilators, veterinary operating room lights, veterinary operating room tables, veterinary equipment surfaces, video poker machines [exteriors], walkers, walls, washing bowls\*\*\*, water bowls\*\*\*, waterproof mattresses, weight machines, weight scales, weight training equipment, wet suits, wheelchairs, whirlpool tubs, window sills, work stations, wrestling mats, workout machines, x-ray units and other similar items [other] [frequently touched] [high-touched], [non-food contact items] [food contact items] [other high-touch areas].

{NOTE: All underlined Descriptors above are soft surfaces and cannot be used in connection with disinfection or food-contact sanitization claims. If a soft surface is chosen, the underline does not need to appear on the market label.}

[\*\*10-second contact time for non-food contact surface sanitization]

[\*\*\*1-Minute contact time for food contact surface sanitization]

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## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Apply this undiluted product by [sponge], [rag], [cloth], [microfiber], [mop], [spray] or [immersion] to wet all surfaces thoroughly. When used as directed this product [{product name}] effectively kills the following microorganisms at room temperature {Select from *Kill Claims* and include associated contact time} with a;

{*Kill Claims*;}

### 10-second [sanitization\*\*] contact time [against]:

*Enterobacter aerogenes*\*\* {ATCC 13048}

*Staphylococcus aureus*\*\* {ATCC 6538}

### 1-Minute Food Contact [sanitization\*\*\*] contact time [against]:

*Escherichia coli* (e.coli)\*\*\* {ATCC 11229}

*Staphylococcus aureus*\*\*\* {ATCC 6538}

### 2-minute [disinfectant] contact time [against]:

*Acinetobacter baumannii* {ATCC 19606}

Avian Influenza A (H3N2) Reassortant Virus<sup>±†</sup> {ATCC VR-2072}

*Escherichia coli* – with extended beta – lactamase resistance (ESBL) (*E. coli*) {ATCC BAA-196}

[Bovine Viral Diarrhea] Hepatitis<sup>††</sup> (HCV) [BVDV-Surrogate Hepatitis C Virus]

[Duck] Hepatitis B Virus<sup>††</sup> (HBV) [DHBV-Surrogate Hepatitis B Virus]

Hepatitis B Virus<sup>††</sup> (HBV)

Hepatitis C Virus<sup>††</sup> (HCV)

Herpes Simplex Virus<sup>±†</sup> (HSV-2) {ATCC VR-734}

Human Immunodeficiency Virus<sup>±†</sup> (HIV-1) [(associated with AIDS)] {HTLV-111B}

Influenza A Virus<sup>±†</sup> [Strain A2/Hong Kong] {ATCC VR-544}

*Klebsiella pneumoniae*- Carbapenem-resistant (KPC) {ATCC BAA-1705} *Listeria monocytogenes* {ATCC 19117}

*Pseudomonas aeruginosa* {ATCC 15442}

Rotavirus<sup>±††</sup> {Strain WA}

*Serratia marcescens* {ATCC 14756}

*Salmonella enterica* {ATCC 10708}

*Staphylococcus aureus* {ATCC 6538}

Methicillin-Drug Resistant *Staphylococcus aureus* (MRSA) {ATCC 33591}

*Mycobacterium bovis* BCG (tuberculosis) (TB) {Organon Teknika Corp}

*Trichophyton mentagrophytes* [(Ringworm)] [Athletes Foot] {ATCC 9533}

Vancomycin- Resistant *Enterococcus faecalis* (VRE) {ATCC 51299}

Swine Influenza A (H1N1) Virus (formerly known as "swine flu") <sup>±†</sup> {ATCC VR-333}

### 3-minute contact time against:

*Bordetella bronchiseptica* (kennel cough) {ATCC 10580}

Canine Distemper Virus<sup>±††</sup> {ATCC VR-128}

Canine Para-Influenza Virus<sup>±††</sup> {ATCC VR-666}

*Chlamydia psittaci* (parrot fever) {ATCC VR-125}

*Feline Leukemia Virus*<sup>±†</sup> {American Bioresearch (CrFK cells)}

*Infectious Bovine Rhinotracheitis Virus*<sup>±††</sup> {ATCC VR-188}

Norovirus<sup>±††</sup> [Strain MNV-G]

Polio I Virus<sup>±††</sup> {ATCC VR-58}

Rhinovirus<sup>±††</sup> {ATCC VR-286}

*Streptococcus equi* {ATCC 33398}



**5-minute contact time against:**

Canine Parvovirus<sup>††</sup>

<sup>†</sup> Enveloped / lipophilic type virus

<sup>††</sup> Non-enveloped / hydrophilic type virus

[\*\* When indicated for Sanitization use]

[\*\*\* When indicated for food contact sanitization]

*{Contact time listed on the market label will be based on label claims and individual microorganism contact times.}*

*{The following sentence is required when the Avian Influenza A kill claim appears on a spray bottle label:}*

For disinfection of Avian Influenza A, use this product as a spray only for surfaces that are not conducive to treatment by immersion or excess liquid.

*{The following paragraph is required (per DIS/TSS 18) when the product is intended for farm premises uses:}*

Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls and surfaces of barn, pens, chutes and other facilities and fixtures occupied or traversed by animals. Empty all troughs, racks and other feeding and watering appliances. Thoroughly clean all surfaces with this product and rinse with water. Then saturate all surfaces with this product [(product name)]. Treated surfaces must remain wet for 3 minutes (5 minutes for Canine Parvovirus). Immerse all halters, ropes and other types of equipment used in handling and restraining animals as well as forks, shovels, scrapers used in removing litter and manure. Ventilate buildings, cars, trucks, boats and other closed spaces. Do not house animals or employ equipment until treatment has set, dried or absorbed. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains and waters with soap or detergent.

*{The following paragraph is required when the product is for small, non-farm animal care facility uses:}*

Prior to surface cleaning and disinfection, remove visible debris such as animal excrement and bedding materials such as blankets, litter, wood chips, hay or straw.

*{The following paragraph is required when the label bears HBV, HCV and/or HIV-1 kill claims:}*

**\*HBV, HCV and HIV-1 Precautions:** This product [(product name)] kills HBV, HCV and HIV-1 on pre-cleaned environmental surfaces/objects previously soiled with blood/body fluids in health care or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood/body fluids, and in which the surfaces/objects can be associated with the potential for transmission of HBV, HCV and/or the human immunodeficiency virus Type 1 (HIV-1) associated with AIDS. **Special instructions for cleaning and decontamination against HBV, HCV and HIV-1 of surfaces/objects soiled with blood/body fluids:** **Personal Protection:** Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks and eye coverings. **Cleaning Procedure:** Blood and body fluids must be thoroughly cleaned from surfaces/objects before disinfection. **Contact Time:** Allow the surface to remain wet for 2 minutes. **Infectious Materials Disposal:** Cleaning materials used that may contain blood/body fluids must be autoclaved and/or disposed of in accordance with local regulations for infectious materials disposal.

*{The following paragraph is required with the product bears human medical use sites/articles/surfaces:}*

This product is not to be used as a terminal sterilant or high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes, but which does not ordinarily penetrate the blood barrier or otherwise enter sterile areas of the body. This product may be used to pre-clean or decontaminate critical and semi-critical medical devices prior to sterilization or high-level disinfection.

### Non-Food Contact Surfaces

**For [inanimate] surface cleaning:** Prior to surface disinfection [or sanitization\*\*], [or sanitization\*\*\*], pre-clean surfaces, making sure to remove all gross filth and heavy soil, by saturating surfaces with this product [(product name)] by spray, mop, rag, towel, paper towel, pour, or immersion then wipe surface clean. Repeat, if necessary, until surfaces are visibly clean. Discard paper towels or launder cloth towels before reusing.

**For cleaning walls and floors:** In a clean bucket, dilute 2 to 4 oz. of this product per gallon of warm, clean, potable water. Thoroughly damp-mop using a clean [microfiber] [mop], [cloth towel] or [sponge]. Allow to air dry.

**For use as a [pre-cleaning] [pre-laundering] spot or stain removal spray treatment:** Thoroughly spray soiled area, allow to remain wet for at least 10 seconds before laundering as usual.

**For surface disinfection [including *trichophyton mentagrophytes*]:** Apply this product [(product name)] to pre-cleaned surfaces by [sponge], [cloth], [microfiber], [mop], [spray], [pour] or [immersion] to wet all surfaces thoroughly. Allow to remain wet for [2] [3] [5] (as appropriate) minutes [at room temperature], then wipe dry using a [microfiber] mop, clean paper or cloth towel, or rinse surface using potable water and wipe surface dry or allow to air dry. Discard or launder spent materials before reuse.

**For surface sanitization:** Apply this product [(product name)] to [pre-cleaned] [clean] surfaces by [sponge], [cloth], [microfiber], [mop], [spray], [pour] or [immersion] to wet all surfaces thoroughly. Allow to remain visibly wet for 10 seconds for non-food contact surfaces at room temperature then wipe surfaces using a clean [microfiber] mop, paper or cloth towel, or rinse surface using potable water or wipe surface dry or allow to air dry. Discard or launder spent materials before reuse.

**For use as a [surface] deodorizer:** Apply to surface and either wipe off or allow to air dry.

#### Food Contact Surfaces

**For surface sanitization:** Apply this product [(product name)] to [pre-cleaned] [clean] surfaces by [sponge], [cloth], [microfiber], [mop], [spray], [pour] or [immersion] to wet all surfaces thoroughly. Allow to remain visibly wet for 1 minute for food contact surfaces at room temperature then wipe surfaces using a clean [microfiber] mop, paper or cloth towel, or rinse surface using potable water or wipe surface dry or allow to air dry. Discard or launder spent materials before reuse.

#### Instruments [Devices]

**For use as a pre-cleaning instrument [device] soak:** Fill appropriately-sized container with a sufficient amount of this product to allow for complete submersion of items. Place items into solution and allow to soak for 2 minutes. Be certain to flush lumens of hollow devices with this product. Remove items and rinse. For critical and semi-critical items, follow with the appropriate cleaning and disinfection or sterilization process. Change solution as needed, i.e., when the solution becomes diluted or visibly soiled.

**For use as a pre-cleaning wipe:** Saturate a clean sponge, gauze wipe or cloth with this product. Thoroughly wipe item [device] [instrument] [exterior scope surface] until visibly clean. Dispose of or launder spent materials before reuse.

**For use to [decontaminate] [pre-clean] [pre-treat] flexible endoscopes prior to handling during terminal reprocessing:** Immediately after use and while the scope is still connected to the light source, thoroughly wipe the exterior surface of the insertion tube using a sponge saturated with this product until visibly clean. Flush the internal channels of the scope, suctioning this product through the internal channels, through the suction tubing and into the suction jar until the solution is visibly clean. Cover the scope and transport to the appropriate area for terminal reprocessing.

**For use as a [pre-cleaning] [pre-treatment] [Instrument] [device] [cleaning] spray:** Place item into a suitable container. Thoroughly spray item with this product until drenched, thoroughly rinse. Follow with an appropriate terminal cleaning and sterilization/disinfection process.

**For use as an ultrasonic cleaning solution:** Prepare the ultrasonic bath using a dilution ratio of 1 fl. oz. of this product with 1 quart of clean, potable water. Place items into the ultrasonic bath, activate unit and allow unit to operate until items are visibly clean. Remove items and thoroughly rinse under running cool tap water. Proceed with appropriate disinfection or sterilization process.

**For cleaning [to clean] hair clippers and electric shears:** Disconnect from the electrical supply. Hold in the downward position and apply this product directly onto the blades, making sure the solution does not drain into the housing. Wipe dry with a clean, soft cloth.

**For cleaning and disinfecting dental impressions:** Apply this product until thoroughly drenched, then rinse with potable water and wipe or air dry. Reapply product to thoroughly wet the surfaces and allow to remain wet for 2 minutes. Rinse with potable water and wipe or air dry.

**[For Use as a] non-critical medical item disinfection immersion solution:** Thoroughly pre-clean items being sure to remove all gross filth and heavy soil, then rinse and dry. Allowing for complete submersion of item(s), place pre-cleaned item(s) into an appropriate container that has been filled with this product. Flush lumens of hollow devices with this product. Allow item(s) to remain submerged for 2 {as appropriate} minutes. Remove, rinse with clean, potable water and dry. Change solution daily or when it becomes visibly soiled or discolored.

**[For use as a] sanitizer\*\* for hair clipper and electric shear(s) {Not For Use in California}:** Disconnect from the electrical supply. Hold in a downward position and apply this product to thoroughly wet the blades, making sure the solution does not drain into the housing. Wipe soil from blades. Reapply and allow to remain wet for 10 seconds, then wipe dry with a clean cloth. Lubricate blades per the manufacturer's instructions.

**[For use as a] disinfectant for hair clipper and electric shear(s):** Disconnect from the electrical supply. Hold in a downward position and apply this product to thoroughly wet the blades, making sure the solution does not drain into the housing. Wipe soil from blades. Reapply and allow to remain wet for 2 minutes, then wipe dry with a clean cloth. Lubricate blades per the manufacturer's instructions.

**[For use as a] personal care implement immersion sanitizer\*\*:** Immerse pre-cleaned implements (such as combs, brushes, razors, manicure/pedicure tools, tweezers and scissors) in this product. Allow items to remain immersed for at least 10 seconds. When ready for use, thoroughly rinse and/or wipe dry using a clean cloth or paper towel. Change solution at least daily or when solution becomes visibly dirty or discolored. [Not for use in California]

~~[[To] [for] use as a] shoe [odor control] [sanitizer\*\*] [disinfectant] [for shoes]: Take out any remove removable inserts. Thoroughly wet interior of the shoe and any removed inserts. Wipe the interior of the shoe and any removed inserts with a soft, clean cloth to pre clean. Re wet thoroughly and allow to air dry.~~

**[[To] [for] use as an] [eye glass], [protective eye wear] [loupe] cleaner [sanitize\*\*] [disinfectant] [sanitizer\*\*]:** Thoroughly wet entire surface and wipe clean using a soft cloth. Reapply and allow to remain wet for 10 seconds for sanitization\*\* or 2 minutes for disinfection and re-wipe using a fresh cloth. This product should not be used on contact lenses.

*(For use on non-refillable Containers with Household/Residential Use)*

#### Storage and Disposal

Store in original container in areas inaccessible to children. Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Wrap and put in trash.

*(For non-refillable containers 1 gallon to 5 gallons in capacity:)*

#### Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in original container in a cool, well-ventilated, [preferably locked] area inaccessible to children and pets. **Pesticide Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. **Container Disposal:** Non-refillable container. Do not reuse or refill this container. Triple rinse as follows: Fill container 1/4 full with water and reclose the container. Agitate vigorously and dispose of rinsate in accordance with Pesticide Disposal instructions. Repeat two more times. Offer for recycling if available. Puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

*(For non-refillable non-household/residential use products greater than 5 gallons capacity:)*

#### Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in original container in a cool, well-ventilated, [preferably locked] area inaccessible to children and persons unfamiliar with its use. **Pesticide Disposal:** Wastes resulting from the use of this product must be disposed of on site, or at an approved waste disposal facility. **Container Disposal:** Non-refillable container; do not reuse or refill this container. Offer for recycling, if available. Triple rinse (or equivalent) container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

*(For refillable bottles:)*

#### Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in original container in a cool, well-ventilated, [preferably locked] area inaccessible to children and pets. **Pesticide Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. **Container Disposal:** Refillable container. Refill this container with only the product originally supplied in this container. Do not reuse this container for any other purpose. When empty, fill the container about 10 percent full of water. Agitate vigorously and dispose of contents on site or at an approved waste disposal facility. Offer container for recycling, if available; otherwise dispose of container in trash.

*(For refillable non-household/residential use products greater than 5 gallons capacity:)*

#### Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store in original container in a cool, well-ventilated, [preferably locked] area inaccessible to children and persons unfamiliar with its use. **Pesticide Disposal:** Wastes resulting from the use of this product must be disposed of on site, or at an approved waste disposal facility. **Container Disposal:** Refillable container. Refill this container with this product only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container and store for later disposal. Fill container 1/4 full with water and reclose the container. Agitate vigorously and dispose of rinsate in accordance with Pesticide Disposal instructions. Then offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

(Per PR Notice 2007-4, a lot or batch number will appear on either the container or label of all non-refillable containers.)

#### First Aid

If Inhaled	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li></ul>
If on Skin or Clothing	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li></ul>
If in Eyes	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li></ul>
Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-255-3924 for emergency medical treatment information.	

(The First Aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.)

#### PRECAUTIONARY STATEMENTS

##### Hazards to Humans and Domestic Animals

**CAUTION:** May be harmful if inhaled or absorbed through skin. May cause moderate eye irritation. Avoid breathing vapors and contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

##### Physical or Chemical Hazards

Do not use or store near heat or open flame.

Manufactured in the U.S.A. for:

**Micro-Scientific, ~~LLC-Industries, Inc.~~**

[Corporate Offices:] ~~1225 Carnegie Street, Rolling Meadows, IL 60008 U.S.A.~~ 755 Tri-State Parkway, Gurnee, IL 60031

Telephone: ~~1-888-253-2536~~ 1-847-856-7290

[Product] Order No: \_\_\_\_\_

[Opti-Cide is a registered trademark of Micro-Scientific, ~~LLC-Industries, Inc.~~]

[ ] Denotes ~~alternate~~ optional language

{ } Denotes language that does not appear on the market label